

Claim 1 (currently amended): A method of modulating inflammatory and immune responses for inducing secretion of interleukin-1 β (IL-1 β) in a subject in need thereof, mammalian cell comprising administering an effective amount of an anti-regeneration and tolerance factor (RTF) antibody to inhibit surface ATPase activity of a regeneration and tolerance factor (RTF) of the cell to induce the secretion of IL-1 β from the cell the subject having a first level of regeneration and tolerance factor (RTF) activity, and the method comprising altering the first level of RTF activity to a second level of RTF activity.

Claims 2-5 (canceled):

Claim 6 (currently amended): The method of claim 15, wherein the antibody is selected from the group consisting of monoclonal antibodies and polyclonal antibodies.

Claims 7-14 (Withdrawn):

Claim 15 (currently amended): The method of claim 12, wherein the activation of the immune response administration of the anti-RTF antibody is capable of killing leads to apoptosis of cancer cells.

Claim 16 (currently amended): The method of claim 15, wherein the cancer cell is an ovarian carcinoma cell.

Claims 17-33: (withdrawn)

Claim 34 (canceled):

Claim 35 (currently amended) The method of claim 1, wherein the subject mammalian cell is a human cell.

Claims 36-122 (withdrawn)